

9. (Amended) A polarization dispersion compensator for optical transmission systems including a sender terminal sending data in the form of a polarized optical signal, an optical transmission link, and a receiver terminal, said polarization dispersion compensator including a polarization controller, adjustable differential group delay generator means, said controller and said adjustable differential group delay generator means being interleaved between said transmission link and said receiver terminal in that order, and control means for controlling said polarization controller and said differential group delay generator means, which differential group delay generator means conform to the differential group delay generator claimed in claim 1.

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